

FILTER REGULATOR LUBRICATOR



KNOCKS
FLUID-TECHNIK





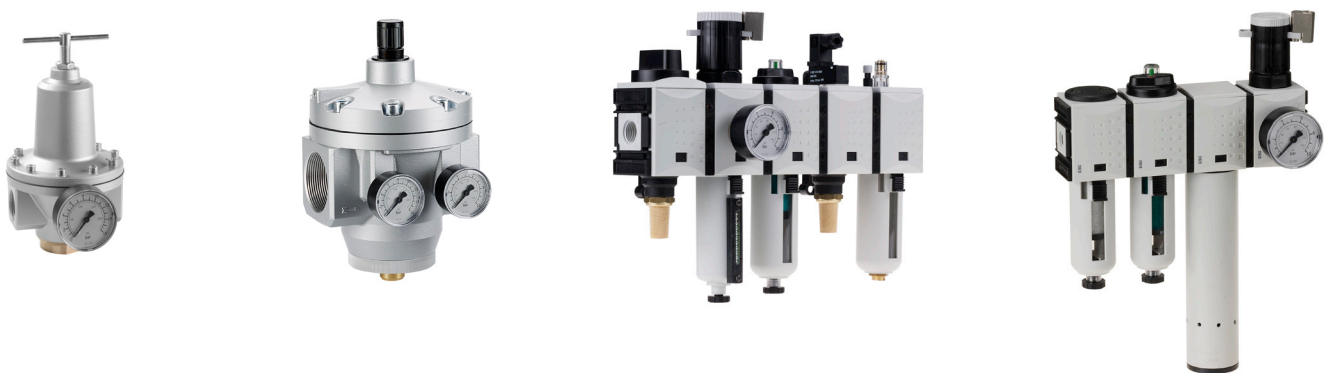
In mechanical engineering and medical technology, air pressure regulators, filters and lubricators are small parts of a whole machine, which are continually gaining in significance and required to function with utmost reliability.

Rely on us and benefit from our pre-assembled Perfect Fit system solutions. These products are made exactly according to your specifications and assembled ready for connection.

They help you reduce your component diversity, decrease your storage costs and, above all, save assembly costs. Apart from that, you maintain your flexibility despite outsourcing: thanks to our intelligently designed logistics system, we deliver all of our versions just in time.

We produce to meet European standards and are certified in accordance with ISO 9001:2008. With the help of electronic testing equipment, our employees constantly monitor the production quality and ensure that only top-notch products leave our facilities, thanks to rigorous quality management.

We manufacture a large variety of products that differ regarding special manufacturing methods and details as well as their possible combinations. Grouped as large assemblies or even pre-assembled for you as a system solution, we always provide you with a final product that is ready for connection.



Don't hesitate to contact us for other dimension, pressure or items that You not find in this FUTURA leaflet.



Futura serie:

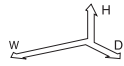
A modular system of Filter, Regulator, Lubricator and accessories for compressed air and natural gases.

Medium & Ambient temperature +50 °C

Body material: Grivory PA66

Filter 5 µm

Centrifugal force principle with filter for compressed air and natural gases.



Art. no.	Thread	Flow l/min	WxDxH mm	Max pressure	Bowl	Drain	
F014	1/4"	950	43x48x132	12 bar	plastic	Manual	
F114	1/4"	2200	52x54x164	16 bar	plastic/guard	Manual	
F138	3/8"	2200	52x54x164	16 bar	plastic/guard	Manual	
F238	3/8"	2400	63x67x190	16 bar	plastic/guard	Manual	
F212	1/2"	3500	63x67x190	16 bar	plastic/guard	Manual	
F434	3/4"	8000	85x93x250	16 bar	plastic/guard	Manual	
F41	1"	8200	85x93x250	16 bar	plastic/guard	Manual	
F014 AM	1/4"	950	43x48x132	12 bar	plastic	Automatic	
F114 AM	1/4"	2200	52x54x164	16 bar	plastic/guard	Automatic	
F138 AM	3/8"	2200	52x54x164	16 bar	plastic/guard	Automatic	
F238 AM	3/8"	2400	63x67x190	16 bar	plastic/guard	Automatic	
F212 AM	1/2"	3500	63x67x190	16 bar	plastic/guard	Automatic	
F434 AM	3/4"	8000	85x93x250	16 bar	plastic/guard	Automatic	
F41 AM	1"	8200	85x93x250	16 bar	plastic/guard	Automatic	

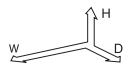
Prefilter 0,3 µm

Filter for compressed air and natural gases. (Install after Filter 5µm.)

Art. no.	Thread	Flow l/min	WxDxH mm	Max pressure	Bowl	Drain	
PF014	1/4"	350	43x48x132	12 bar	plastic	Manual	
PF114	1/4"	500	52x54x164	16 bar	plastic/guard	Manual	
PF138	3/8"	500	52x54x164	16 bar	plastic/guard	Manual	
PF238	3/8"	580	63x67x190	16 bar	plastic/guard	Manual	
PF212	1/2"	580	63x67x190	16 bar	plastic/guard	Manual	
PF434	3/4"	1500	85x93x250	16 bar	plastic/guard	Manual	
PF41	1"	1500	85x93x250	16 bar	plastic/guard	Manual	

Finefilter 0,01 µm

Filter for compressed air and natural gases. (Install after Prefilter.)



Art. no.	Thread	Flow l/min	WxDxH mm	Max pressure	Bowl	Drain	
CF014	1/4"	350	43x48x132	12 bar	plastic	Manual	
CF114	1/4"	350	52x54x164	16 bar	plastic/guard	Manual	
CF138	3/8"	350	52x54x164	16 bar	plastic/guard	Manual	
CF238	3/8"	500	63x67x190	16 bar	plastic/guard	Manual	
CF212	1/2"	500	63x67x190	16 bar	plastic/guard	Manual	
CF434	3/4"	1500	85x93x250	16 bar	plastic/guard	Manual	
CF41	1"	1500	85x93x250	16 bar	plastic/guard	Manual	

Activated Carbon Filter 0,005 µm

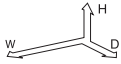
Filter for compressed air and natural gases. (Install after Finefilter.)

Art. no.	Thread	Flow l/min	WxDxH mm	Max pressure	Bowl	Drain	
AF014	1/4"	600	43x48x132	12 bar	plastic	Manual	
AF114	1/4"	650	52x54x164	16 bar	plastic/guard	Manual	
AF138	3/8"	650	52x54x164	16 bar	plastic/guard	Manual	
AF238	3/8"	1300	63x67x190	16 bar	plastic/guard	Manual	
AF212	1/2"	1300	63x67x190	16 bar	plastic/guard	Manual	
AF434	3/4"	2000	85x93x250	16 bar	plastic/guard	Manual	
AF41	1"	2000	85x93x250	16 bar	plastic/guard	Manual	



Regulator with gauge

Diaphragm-type pressure regulator with secondary air exhaust. (Install after filter.)



Art. no.	Thread	Flow l/min	Supply pressure	Reduced pressure	WxDxH mm
R014 8G	1/4"	1000	12 bar	0,5 - 8 bar	43x48x88
R114 8G	1/4"	2200	16 bar	0,5 - 8 bar	52x54x129
R138 8G	3/8"	2600	16 bar	0,5 - 8 bar	52x54x129
R238 8G	3/8"	4300	16 bar	0,5 - 8 bar	63x67x150
R212 8G	1/2"	5100	16 bar	0,5 - 8 bar	63x67x150
R434 8G	3/4"	14000	16 bar	0,5 - 8 bar	85x93x191
R41 8G	1"	14000	16 bar	0,5 - 8 bar	85x93x191
R212 16G	1/2"	5100	16 bar	0,5 - 16 bar	63x67x150
R434 16G	3/4"	14000	16 bar	0,5 - 16 bar	85x93x191

Information

Other pressure range available: 0,1 - 1 bar, 0,1 - 2 bar, 0,2 - 4 bar, 0,5 - 10 bar, 0,5 - 16 bar.
Regulator head is lockable.

Precision regulator with gauge

Diaphragm-type pressure regulator with secondary air exhaust. (Install after filter.)

Art. no.	Thread	Flow l/min	Supply pressure	Reduced pressure	WxDxH mm
PRG114 8G	1/4"	2200	16 bar	0,5 - 8 bar	52x54x129
PRG138 8G	3/4"	2700	16 bar	0,5 - 8 bar	52x54x129
PRG212 8G	1/2"	5000	16 bar	0,5 - 8 bar	63x67x150

FilterRegulator FR-unit

FilterRegulator for compressed air and neutral gases with filtergrade 5 µm and with manual drain.



Art. no.	Thread	Flow l/min	Supply pressure	Reduced pressure	Bowl	WxDxH mm
FR014 8G	1/4"	500	12 bar	0,5 - 8 bar	plastic	43x48x168
FR114 8G	1/4"	2200	16 bar	0,5 - 8 bar	plastic/guard	52x54x225
FR128 8G	3/8"	2600	16 bar	0,5 - 8 bar	plastic/guard	52x54x225
FR238 8G	3/8"	3500	16 bar	0,5 - 8 bar	plastic/guard	63x67x257
FR212 8G	1/2"	3500	16 bar	0,5 - 8 bar	plastic/guard	63x67x257
FR434 8G	3/4"	12000	16 bar	0,5 - 8 bar	plastic/guard	85x93x329
FR41 8G	1"	12000	16 bar	0,5 - 8 bar	plastic/guard	85x93x329

FilterRegulator for compressed air and neutral gases with filtergrade 5 µm and with automatic drain.



Art. no.	Thread	Flow l/min	Supply pressure	Reduced pressure	Bowl	WxDxH mm
FR014 8G AM	1/4"	500	12 bar	0,5 - 8 bar	plastic	43x48x168
FR114 8G AM	1/4"	2200	16 bar	0,5 - 8bar	plastic/guard	52x54x225
FR138 8G AM	3/8"	2600	16 bar	0,5 - 8 bar	plastic/guard	52x54x225
FR238 8G AM	3/8"	3500	16 bar	0,5 - 8 bar	plastic/guard	63x67x257
FR212 8G AM	1/2"	3500	16 bar	0,5 - 8 bar	plastic/guard	63x67x257
FR434 8G AM	3/4"	12000	16 bar	0,5 - 8 bar	plastic/guard	85x93x329
FR41 8G AM	1"	12000	16 bar	0,5 - 8 bar	plastic/guard	85x93x329

FilterRegulator 0,5 - 16 bar for compressed air and neutral gases with filtergrade 5 µm and with manual drain.

Art. no.	Thread	Flow l/min	Supply pressure	Reduced pressure	Bowl	WxDxH mm
FR138 16G AM	3/8"	2600	16 bar	0,5 - 16 bar	plastic/guard	52x54x225
FR212 16G AM	1/2"	3500	16 bar	0,5 - 16 bar	plastic/guard	63x67x257
FR434 16G AM	3/4"	12000	16 bar	0,5 - 16 bar	plastic/guard	85x93x329

Information

Other pressure range available: 0,1 - 1 bar, 0,1 - 2 bar, 0,2 - 4 bar, 0,5 - 10 bar, 0,5 - 16 bar.
Regulator head is lockable.



FilterRegulatorLubricator FRL-unit

Filter-Regulator-Lubricator for compressed air and neutral gases with filtergrade 5 µm with manual drain and lubricator.



Art. no.	Thread	Flow l/min	Supply pressure	Reduced pressure	Bowl	WxDxH mm
FRL2 014 8G	1/4"	600	12 bar	0,5 - 8 bar	plastic	86x48x168
FRL2 114 8G	1/4"	1700	16 bar	0,5 - 8 bar	plastic/guard	104x54x225
FRL2 138 8G	3/8"	1700	16 bar	0,5 - 8 bar	plastic/guard	104x54x225
FRL2 238 8G	3/8"	3500	16 bar	0,5 - 8 bar	plastic/guard	126x67x257
FRL2 212 8G	1/2"	3500	16 bar	0,5 - 8 bar	plastic/guard	126x67x257
FRL2 434 8G	3/4"	12000	16 bar	0,5 - 8 bar	plastic/guard	170x93x329
FRL2 41 8G	1"	12000	16 bar	0,5 - 8 bar	plastic/guard	170x93x329

Filter-Regulator-Lubricator for compressed air and neutral gases with filtergrade 5 µm with automatic drain and lubricator.



Art. no.	Thread	Flow l/min	Supply pressure	Reduced pressure	Bowl	WxDxH mm
FRL2 014 8G AM	1/4"	600	12 bar	0,5 - 8 bar	plastic	86x48x168
FRL2 114 8G AM	1/4"	1700	16 bar	0,5 - 8 bar	plastic/guard	104x54x225
FRL2 138 8G AM	3/8"	1700	16 bar	0,5 - 8 bar	plastic/guard	104x54x225
FRL2 238 8G AM	3/8"	3500	16 bar	0,5 - 8 bar	plastic/guard	126x67x257
FRL2 212 8G AM	1/2"	3500	16 bar	0,5 - 8 bar	plastic/guard	126x67x257
FRL2 434 8G AM	3/4"	12000	16 bar	0,5 - 8 bar	plastic/guard	170x93x329
FRL2 41 8G AM	1"	12000	16 bar	0,5 - 8 bar	plastic/guard	170x93x329



Filter-Regulator-Lubricator 3-part

Can be supplied after request

Lubricator

Lubricator for compressed air and neutral gases with automatic oil filling.



Art. no.	Thread	Flow l/min	Supply pressure	oil metering	Bowl	WxDxH mm
L014	1/4"	1400	12 bar	10 - 20 drops/min	plastic	43x48x156
L114	1/4"	2800	16 bar	1 - 2 drops/min	plastic/guard	52x54x185
L138	3/8"	2800	16 bar	1 - 2 drops/min	plastic/guard	52x54x185
L238	3/8"	8000	16 bar	1 - 2 drops/min	plastic/guard	63x67x207
L212	1/2"	8000	16 bar	1 - 2 drops/min	plastic/guard	63x67x207
L434	3/4"	13000	16 bar	1 - 2 drops/min	plastic/guard	85x93x271
L41	1"	13000	16 bar	1 - 2 drops/min	plastic/guard	85x93x271



Ball valve-unit

Manual ball valve for compressed air and neutral gases with lockable knob.



Art. no.	Thread	Flow l/min	Max pressure	WxDxH mm
BAV014	1/4"	2600	12 bar	43x48x76
BAV114	1/4"	1900	16 bar	52x54x87
BAV138	3/8"	1900	16 bar	52x54x87
BAV238	3/8"	5000	16 bar	63x67x127
BAV212	1/2"	5000	16 bar	63x67x127
BAV434	3/4"	14000	16 bar	85x93x145
BAV41	1"	14000	16 bar	85x93x145

T-distributor

Flow in 3 direction; straight through, up-ward and below.



Art. no.	Thread	Flow l/min	Max pressure	WxDxH mm
DIS014	1/4"	2700	12 bar	43x48x54
DIS114	1/4"	2700	16 bar	52x54x69
DIS138	3/8"	3600	16 bar	52x54x69
DIS238	3/8"	7250	16 bar	63x67x81
DIS212	1/2"	7250	16 bar	63x67x81
DIS434	3/4"	18000	16 bar	85x93x110
DIS41	1"	18000	16 bar	85x93x110

Non-return valve



Art. no.	Thread	Flow l/min	Max pressure	WxDxH mm
REV014	1/4"	800	12 bar	43x48x52
REV114	1/4"	1250	16 bar	52x54x67
REV138	3/8"	1250	16 bar	52x54x67
REV238	3/8"	4500	16 bar	63x67x81
REV212	1/2"	4500	16 bar	63x67x81

Mounting Bracket



Art. no.	Fit	Description
BW 0 - 1225	014	Steel galvanized with 2 screws
BW 1 - 1225	114 & 138	
BW 2 - 1225	238 & 212	
BW 4 - 1225	434 & 41	

Mounting Bracket for panel nut



Art. no.	Fit	Description
BW 0 - 1227	014	Steel galvanized with 2 screws
BW 1 - 1227	114 & 138	
BW 2 - 1227	238 & 212	
BW 4 - 1227	434 & 41	



Coupling kit



Art. no.	Fit	Description	
OP 0	014	Two parts in Givery, one O-ring and 2 long screws	
OP 1	114 & 138		
OP 2	238 & 212		
OP 4	434 & 41		

Coupling kit wall mounting



Art. no.	Fit	Description	
OP 0 W	014	Two parts in Givery, one O-ring and 2 long screws	
OP 1 W	114 & 138		
OP 2 W	238 & 212		
OP 4 W	434 & 41		

Filterelement



Art. no.	Fit	Filter	Material	
C00-26	014	5µm	cellpor	
C00-26	114 & 138	5µm	cellpor	
C22-26	238 & 212	5µm	cellpor	
FE4-560	434 & 41	5µm	cellpor	
V23-35	014	0,3µm	paper-al	
V23-70	114 & 138	0,3µm	paper-al	
ESA2-1320	238 & 212	0,3µm	paper-al	
V40-130	434 & 41	0,3µm	paper-al	
X23-35	014	0,01µm	borsilicate-al	
x23-70	114 & 138	0,01µm	borsilicate-al	
X28-67	238 & 212	0,01µm	borsilicate-al	
X40-100	434 & 41	0,01µm	borsilicate-al	
A23-60	014	0,005µm	active carbon	
A23-70	114 & 138	0,005µm	active carbon	
A28-90	238 & 212	0,005µm	active carbon	
A40-123	434 & 41	0,005µm	active carbon	

Gauge

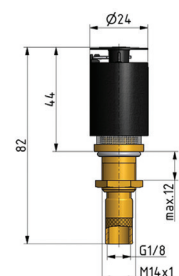


Art. no.	FIT	Thread	Ø	Range	
G27-12	014	-	-	0 - 12 bar	
G50-10R	114, 138, 238, 212	1/4"	50mm	0 - 10 bar	
G50-16R	114, 138, 238, 212	1/4"	50mm	0 - 16 bar	
G63-10R	434, 41	1/4"	63mm	0 - 10 bar	
G63-16R	434, 41	1/4"	63mm	0 - 16 bar	

Condensate Drain valve Float handled condensate valve



Art. no.	Description	Thread	Ø	Range	
AM 10	valve open w/o pressure	1/8"	14mm	1,5 - 16 bar	
AM 10 NC	valve closed	1/8"	14mm	1,5 - 16 bar	



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